

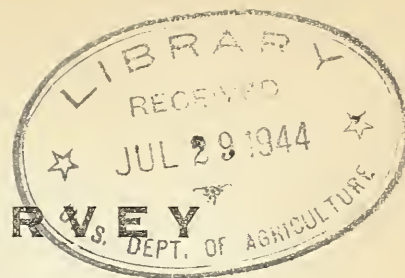
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**THE INSECT PEST SURVEY  
BULLETIN**



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A periodical review of entomological conditions throughout the United States,  
issued on the first of each month from April to November, inclusive

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Volume 3

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BUREAU OF ENTOMOLOGY  
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AND  
THE STATE ENTOMOLOGICAL  
AGENCIES COOPERATING



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| <u>Chrysops vittatus</u> Wied. - - - - -  | 4   | 159           |
| <u>Cicadula 6-notata</u> Fau. - - - - -   | 8   | 312           |
| <u>Cirphis unipuncta</u> Haw. - - - - -   | 5   | 176           |
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| <u>Clastoptera obtusa</u> Say - - - - -   | 8   | 319           |
| <u>Cnidocampa flavescens</u> Walk. - - - - -  | 5   | 202           |
| <u>Coccus acuminatus</u> Sign. - - - - -  | 2   | 42            |
| <u>Colaspis brunnea</u> Fab. - - - - -  | 6   | 246           |
| <u>Coleophora caryaefoliella</u> Clem. - - - - -  | 5   | 77            |
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| <u>Coleophora laricella</u> Hbn. - - - - -  | 5   | 206           |
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| <u>Colopha ulmicola</u> Fitch - - - - -   | 4   | 154           |
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| <u>Coloradia pandora</u> Blake - - - - -  | 7   | 300           |
| <u>Conotrachelus anaglyoticus</u> Say - - - - -   | 3   | 72            |
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| <u>Conotrachelus nenuphar</u> Hbst. - - - - -   | 1   | 11            |
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| <u>Contarinia johnsoni</u> Sling. - - - - -   | 4   | 132           |
| <u>Contarinia pyrivora</u> Riley - - - - -  | 3   | 71            |
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| <u>Cotinis nitida</u> L. - - - - -  | 2   | 45            |
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| <u>Cotinis texana</u> Casey (given as <u>Phanaeus</u><br><u>carnifex</u> L. in error) - - - - - | 6   | 235           |
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| <u>Dendroctonus brevicomis</u> Lec. - - - - -      | 1 | 16     |
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| <u>Dendroctonus monticolae</u> Hopk. - - - - -     | 5 | 207    |
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| <u>Dermacentor nigrilineatus</u> Pack. - - - - -   | 1 | 19     |
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| <u>Diabrotica tricineta</u> Say - - - - -         | 5 | 192            |
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| <u>Diabrotica vittata</u> Fab. - - - - -          | 3 | 86, 87         |
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| <u>Diatraea lineolata</u> Walk. - - - - -         | 4 | 116            |
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| <u>Diatraea saccharalis</u> Fab. - - - - -        | 3 | 61, 90         |
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| <u>Diatraea zeacolella</u> Dyar - - - - -         | 4 | 116            |
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| <u>Dicophus minimus</u> Uhler - - - - -           | 5 | 198            |
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| <u>Eleodes humeralis</u> Lec. - - - - -         | 3 | 60          |
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| <u>difformis</u> Blaisd. - - - - -              | 3 | 60          |
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| <u>Eleodes opaca</u> Say - - - - -              | 1 | 8           |
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| <u>Hypoderma bovis</u> DeG. - - - - -                | 3   | 93                 |
| <u>Hypoderma lineatum</u> DeVill. - - - - -          | 1   | 19                 |
|  | 2   | 50                 |
|  | 5   | 214                |
|  | 6   | 268                |
|  | 7   | 306                |
|  | 8   | 338                |
| <u>Hysteroneura setariae</u> Thos. - - - - -         | 2   | 39                 |
|  | 4   | 129, 130           |
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| <u>Icerya purchasi</u> Mask. - - - - -               | 1   | 17                 |
|  | 2   | 41                 |

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| <u>Illinoia visi</u> Kalt. - - - - -              | 1          | 13                 |
|   | 2          | 29, 44             |
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|   | 4          | 142, 143           |
|   | 5          | 191                |
|   | 6          | 247                |
|   | 7          | 290, 291           |
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| <u>Ips</u> - - - - -                              | 7          | 301                |
| <u>Ips quadriguttatus</u> Fab. - - - - -          | 6          | 264                |
| <u>Irbisia brachycerus</u> Uhler - - - - -        | 3          | 95                 |
| <u>Iridomyrmex analis</u> Andrew - - - - -        | 3          | 104                |
| <u>Iridomyrmex humilis</u> Mayr - - - - -         | 2          | 52                 |
|   | 3          | 103, 104           |
|   | 4          | 161                |
|   | 7          | 307                |
|   | 8          | 336                |
| <u>Isosoma tritici</u> Fitch (see also            |            |                    |
| <u>Harmolita tritici</u> ) - - - - -              | 4          | 115                |
| <u>Ithyacerus noveboracensis</u> Forst. - - - - - | 4          | 126                |
| <u>Itycorsia brunnicans</u> Mort. - - - - -       | 8          | 333                |
| <u>J</u>  |            |                    |
| <u>Jassidae</u> - - - - -                         | 1          | 14                 |
|   | 6          | 230                |
| <u>Jonthonota nigripes</u> Oliv. - - - - -        | 7          | 292                |
| <u>K</u>  |            |                    |
| <u>Kaliofenusa ulmi</u> Sund. - - - - -           | 6          | 257                |
| <u>L</u>  |            |                    |
| <u>Lachnosterna implicita</u> Horn - - - - -      | 3          | 64                 |
| <u>Lachnosterna rugosa</u> Melsh. - - - - -       | 3          | 64                 |
| <u>Lachnosterna</u> spp. (see also                |            |                    |
| <u>Phyllophaga</u> ) - - - - -                    | 4          | 155                |
| <u>Lachnus</u> sp. - - - - -                      | 8          | 320                |
| <u>Lachnus strobili</u> Fitch - - - - -           | 8          | 331                |
| <u>Lampra</u> spp. - - - - -                      | 2          | 34                 |
| <u>Laphygma frugiperda</u> S. & A. - - - - -      | 3          | 61                 |
|   | 4          | 148                |
|   | 5          | 176, 199           |
|   | 6          | 224                |
|   | 7          | 278                |
| <u>Laspeyresia caryana</u> Fitch - - - - -        | 2          | 39                 |
|   | 7          | 286                |
|   | 8          | 319, 320           |



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| <u>Laspeyresia interstinctana</u> Clem. - - - - -  | 6          | 226           |
| <u>Laspeyresia molesta</u> Busck - - - - -   | 4          | 127, 128      |
|  | 6          | 236           |
|  | 7          | 284           |
| <u>Laspeyresia prunivora</u> Walsh - - - - -   | 7          | 280           |
| <u>Lecanium corni</u> Bouche - - - - -   | 3          | 74            |
|  | 6          | 237           |
| <u>Lecanium numismaticum</u> Pettit & McDaniel --  | 3          | 93            |
| <u>Lecanium quercifex</u> Fitch - - - - -  | 3          | 93            |
| <u>Lepidosaphes beckii</u> Newm. - - - - -   | 3          | 78            |
|  | 4          | 135           |
| <u>Lepidosaphes</u> sp. - - - - -  | 7          | 293           |
| <u>Lepidosaphes ulmi</u> L. - - - - -  | 1          | 10, 11        |
|  | 2          | 35, 36        |
|  | 3          | 70            |
|  | 4          | 125           |
|  | 5          | 181, 182      |
|  | 6          | 260           |
|  | 8          | 328           |
| <u>Leptinotarsa decemlineata</u> Say - - - - -   | 2          | 43            |
|  | 3          | 79            |
|  | 4          | 136           |
|  | 5          | 188           |
|  | 6          | 242           |
|  | 7          | 287           |
| <u>Leptocoris trivittatus</u> Say - - - - -  | 1          | 17            |
|  | 2          | 48            |
|  | 6          | 261           |
|  | 8          | 330           |
| <u>Ligyris gibbosus</u> DeG. - - - - -   | 3          | 62            |
|  | 6          | 251           |
| <u>Ligyris (Euetheola) rugiceps</u> Lec. - - - - -   | 4          | 150           |
|  | 5          | 199           |
|  | 4          | 109           |
| <u>Limonius</u> sp. - - - - -  | 4          |               |
| <u>Lina scripta</u> Fab. (see also <u>Melasoma</u><br><u>scripta</u> ) - - - - -                         | 6          | 260           |
| <u>Linognathus stenopsis</u> Burm. - - - - -   | 2          | 51            |
|  | 5          | 215           |
|  | 7          | 306           |
| <u>Lipeurus heterographus</u> Nitzsch -- - - -   | 1          | 20            |
|  | 2          | 51            |
| <u>Lipeurus variabilis</u> Nitzsch - - - - -   | 2          | 50            |
| <u>Libonyssus bursa</u> Berlese - - - - -  | 2          | 50            |
| <u>Libonyssus silviarum</u> Can. & Fanz. - - - - -   | 1          | 20            |
| <u>Lissorhoptrus simplex</u> Say - - - - -   | 5          | 199           |
| <u>Listronotus latiusculus</u> Boh. - - - - -  | 7          | 287           |
| <u>Listronotus</u> near <u>tereticollis</u> Lec. (given<br>as <u>Hyperodes hyperodes</u> Dietz in error) | 3          | 88            |
| <u>Lithocolletes hamadryella</u> Clem. - - - - -   | 6          | 259           |
| <u>Lixus concavus</u> Say - - - - -  | 6          | 250, 251      |
| <u>Lophyrus abbotii</u> Leach - - - - -  | 5          | 208           |
| <u>Lophyrus abietis</u> Harr. - - - - -  | 8          | 333           |
| <u>Loxostege similalis</u> Guen. - - - - -   | 4          | 145           |
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| <u>Loxostere sticticalis</u> L. - - - - -   | 5          | 193         |
|   | 8          | 323         |
| <u>Lucilia sericata</u> Meig. - - - - -   | 1          | 19          |
|   | 2          | 49          |
| <u>Ludius inflatus</u> Say - - - - -  | 3          | 59          |
| <u>Ludius noxius</u> Hyslop - - - - -   | 3          | 58, 59      |
| <u>Luperodes varicornis</u> Lec. - - - - -  | 5          | 175         |
|   | 6          | 263         |
|   | 7          | 277         |
| <u>Lycophotia margaritosa</u> Haw. - - - - -                                      | 5          | 168, 212    |
| <u>Lyctus linearis</u> Goeze - - - - -  | 2          | 52          |
|   | 4          | 161         |
| <u>Lyctus</u> sp. - - - - -   | 7          | 307         |
| <u>Lyctus striatus</u> Melsh. ( <u>Lyctus</u><br><u>linearis</u> Goeze) - - - - - | 4          | 161         |
| <u>Lygidea mendax</u> Reut. - - - - -   | 3          | 69          |
|   | 4          | 123, 124    |
| <u>Lygus pratensis</u> L. - - - - -   | 2          | 29, 36      |
|   | 6          | 230, 263    |
| <u>Lytta nuttalli</u> Say - - - - -   | 5          | 194         |
|   | 6          | 241         |

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| <u>Macrobasis torsa</u> Lec. - - - - -            | 3 | 96                 |
| <u>Macrobasis unicolor</u> Koy. - - - - -         | 5 | 193                |
|   | 6 | 240                |
| <u>Macroductylus subspinosus</u> Fab. - - - - -   | 4 | 130, 131, 132, 160 |
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| <u>Macroductylus uniformis</u> Horn - - - - -     | 5 | 186                |
| <u>Macronoctua onusta</u> Gnate - - - - -         | 4 | 158                |
|   | 5 | 211                |
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| <u>Macrosiphoniella sanborni</u> Gill. - - - - -  | 5 | 210                |
| <u>Macrosiphum granarium</u> Koy. - - - - -       | 4 | 112                |
|   | 5 | 172                |
|   | 6 | 220                |
| <u>Macrosiphum illinoisensis</u> Shimer - - - - - | 5 | 185                |
|   | 6 | 238                |
| <u>Macrosiphum lillii</u> Monell - - - - -        | 8 | 335                |
| <u>Macrosiphum rosae</u> L. - - - - -             | 5 | 210                |
| <u>Macrosiphum rudbeckiae</u> Fitch - - - - -     | 5 | 211                |
| <u>Macrosiphum solanifolii</u> Ashm. - - - - -    | 4 | 137                |
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|  | 3          | 67,68       |
|  | 4          | 121,122     |
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| <u>Malacosoma disstria</u> Hubn. - - - - -                                       | 3          | 91          |
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| <u>Mamestra picta</u> Harris - - - - -   | 5          | 194         |
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| <u>Margaropus annulatus</u> Say - - - - -  | 1          | 19          |
| <u>Magalopyge opercularis</u> S. & A. - - - - -                                  | 8          | 336         |
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| <u>Megilla maculata</u> DeG. - - - - -   | 3          | 65          |
| <u>Melanophila fulvoguttata</u> Harr. - - - - -                                  | 8          | 333         |
| <u>Melanoplus atlanis</u> Riley - - - - -  | 3          | 64          |
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| <u>Melanoplus bivittatus</u> Say - - - - -                                       | 3          | 64          |
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| <u>Melanoplus differentialis</u> Thom. - - - - -                                 | 3          | 111         |
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| <u>Melanoplus femur-rubrum</u> DeG. - - - - -                                    | 5          | 167         |
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| <u>Melanoplus packardii</u> Scudd. - - - - -                                     | 5          | 167         |
| <u>Melanotus</u> sp. - - - - -   | 5          | 192         |
| <u>Melanoxantherium</u> sp. - - - - -  | 8          | 334         |
| <u>Melasoma scripta</u> Fab. (see also <u>Lina</u><br><u>scripta</u> ) - - - - - | 8          | 334         |
| <u>Melittia satyriniformis</u> Hbn. - - - - -                                    | 6          | 250         |
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| <u>Menopon biseriatum</u> Piaget - - - - -                                       | 1          | 20          |
|  | 2          | 51          |
|  | 3          | 100         |
| <u>Menopon heterographus</u> Nitzsch - - - - -                                   | 3          | 100         |
| <u>Menopon pallidum</u> Nitzsch - - - - -  | 2          | 51          |
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| <u>Metachroma antennalis</u> Weise - - - - -   | 5   | 196           |
| <u>Metachroma interruptum</u> Say - - - - -  | 6   | 233           |
| <u>Metriona bicolor</u> Fab. - - - - -   | 3   | 80            |
| <u>Microcentrum rhombifolium</u> Sauss. - - - - -                                    | 3   | 74            |
| <u>Mineola indigenella</u> Zell. - - - - -   | 3   | 66            |
| <u>Monarthropalpus buxi</u> Labou. - - - - -   | 3   | 96            |
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| <u>Monellia caryella</u> Fitch - - - - -   | 6   | 240           |
| <u>Monomorium minimum</u> Buckley - - - - -  | 3   | 103, 104      |
| <u>Monomorium pharaonis</u> L. - - - - -   | 3   | 102, 104      |
| <u>Monophadnoides rubi</u> Harr. - - - - -   | 3   | 74            |
|  | 4   | 130           |
| <u>Murgantia histrionica</u> Hahn - - - - -  | 1   | 13            |
|  | 3   | 81            |
|  | 6   | 245           |
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|  | 8   | 321           |
| <u>Musca domestica</u> L. - - - - -  | 1   | 18            |
|  | 3   | 100           |
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| <u>Mylabris obtectus</u> Say (see also <u>Bruchus</u><br><u>obtectus</u> ) - - - - - | 1   | 21            |
|  | 2   | 52            |
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| <u>Mylabris pisorum</u> L. (see also <u>Bruchus</u><br><u>pisorum</u> ) - - - - -    | 2   | 52            |
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| <u>Myochrous denticollis</u> Say - - - - -   | 3   | 62            |
| <u>Myrmelachista ambigua ramulorum</u> Wh. - - - - -                                 | 3   | 78            |
| <u>Myzocallis ulmifolii</u> Monell - - - - -   | 6   | 258           |
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| <u>Myzus cerasi</u> Fab. - - - - -   | 3   | 73            |
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| <u>Nezara hilaris</u> Say - - - - -                | 6          | 235, 241, 242      |
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| <u>Nezara viridula</u> L. - - - - -                | 2          | 40                 |
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| <u>Noctua clandestina</u> Harr. - - - - -          | 2          | 46                 |
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| <u>Nodonota puncticollis</u> Say - - - - -         | 4          | 157                |
| <u>Nodonota tristis</u> Oliv. - - - - -            | 6          | 263                |
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| <u>Notoxus talpa</u> Laf. - - - - -                | 5          | 184                |
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| <u>Oberea bimaculata</u> Oliv. - - - - -           | 3          | 74                 |
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| <u>Oecanthus niveus</u> DeG. - - - - -             | 7          | 283                |
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| <u>Oestrus ovis</u> L. - - - - -                   | 3          | 101                |
| <u>Oncideres cingulata</u> Say - - - - -           | 2          | 40                 |
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| <u>Palorus depressus</u> Fab. - - - - -   | 2          | 52          |
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| <u>Papaipema cataphracta</u> Grote - - - - -  | 6          | 265         |
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| <u>Paratetranychus pilosus</u> C. & F. - - - - -  | 1          | 11          |
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| <u>Periphyllus lyropicta</u> Kies. - - - - -  | 3          | 331         |
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| <u>Rheletes</u> sp. - - - - -   | 3          | 59          |
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| <u>Phorbia rubivora</u> Coq. - - - - -  | 4   | 130        |
| <u>Phormia regina</u> Meig. - - - - -   | 1   | 18         |
|   | 2   | 49         |
|   | 3   | 100        |
|   | 6   | 267        |
|   | 7   | 305        |
| <u>Phyllaphis fagi</u> L. - - - - -   | 5   | 203        |
| <u>Phyllobius oblongus</u> L. - - - - -   | 5   | 200, 201   |
| <u>Phyllocoptes cornutus</u> Banks - - - - -  | 7   | 284        |
| <u>Phyllocoptes quadripes</u> Shim. - - - - -   | 4   | 156        |
| <u>Phyllophaga fusca</u> Froe. - - - - -  | 4   | 113        |
| <u>Phyllophaga</u> sp. (see also <u>Lachnosterna</u> ) - - -                              | 2   | 45         |
|   | 3   | 62, 64     |
|   | 4   | 112, 113   |
|   | 5   | 169        |
|   | 6   | 218        |
|   | 7   | 272, 287   |
| <u>Phyllotreta armoraciae</u> Koch - - - - -  | 6   | 251        |
| <u>Phyllotreta pusilla</u> Horn - - - - -   | 4   | 138        |
| <u>Phyllotreta vittata</u> Fab. - - - - -   | 3   | 81, 82, 88 |
|   | 4   | 138        |
| <u>Phylloxera devastatrix</u> Perg. - - - - -   | 4   | 135        |
| <u>Phylloxera vitifoliae</u> Fitch - - - - -  | 7   | 285        |
| <u>Phymatodes testaceus</u> L. - - - - -  | 4   | 161        |
| <u>Phymatodes variabilis</u> L. - - - - -   | 4   | 161        |
| <u>Phytonomus nigrirostris</u> Fab. - - - - -   | 1   | 9          |
|   | 2   | 29         |
|   | 3   | 63         |
|   | 4   | 117        |
| <u>Phytonomus posticus</u> Gyll. - - - - -  | 2   | 29         |
|   | 4   | 116, 117   |
|   | 5   | 175, 176   |
|   | 6   | 223, 224   |
| <u>Phytophaga destructor</u> Say - - - - -  | 1   | 7          |
|   | 2   | 24, 25, 26 |
|   | 3   | 56, 57     |
|   | 4   | 114, 115   |
|   | 5   | 169, 170   |
|   | 6   | 219        |
|   | 7   | 273, 274   |
|   | 8   | 310, 311   |



|   |    |         |
|---|----|---------|
| <u>Fissodes strobi</u> Peck - - - - -   | 6  | 259,260 |
|   | 3  | 332     |
| <u>Plagiocera versicolora</u> Laich. - - - - -  | 4  | 157     |
| <u>Platoeceticus gloverii</u> Pack. - - - - -   | 1  | 12      |
|   | 2  | 41      |
| <u>Platyptilia</u> sp. - - - - -  | 2  | 44      |
| <u>Platypus compositus</u> Say - - - - -  | 2  | 41      |
| <u>Plodia interpunctella</u> Hbn. - - - - -   | 3  | 105     |
|   | 7  | 308     |
| <u>Podosesia fraxini</u> Luggar - - - - -   | 5  | 203     |
| <u>Podosesia syringae</u> Harr. - - - - -   | 4  | 154     |
|   | 6  | 264     |
|   | 8  | 335     |
| <u>Poecillocapsus lineatus</u> Fab. - - - - -   | 4  | 133,146 |
| <u>Pogonomyrmex occidentalis</u> Cress. - - - - -   | 7  | 307     |
| <u>Polychrosis viteana</u> Clem. - - - - -  | 6  | 238     |
|   | 7  | 286     |
| <u>Pomphobaea sayi</u> Lec. - - - - -   | 4  | 157,158 |
| <u>Pontia rapae</u> L. - - - - -  | 3  | 81      |
|   | 4  | 137     |
|   | 5  | 189     |
|   | 6  | 244,245 |
|   | 7  | 283     |
|   | 8  | 321     |
| <u>Popillia japonica</u> Newm. - - - - -  | 3  | 95      |
| <u>Porcellio rathkei</u> Brandt - - - - -   | 6  | 262     |
| <u>Porcellio scaber</u> Latr. - - - - -   | 4  | 147     |
| <u>Porthetria dispar</u> L. - - - - -   | 2  | 46      |
|   | 3  | 91      |
|   | 4  | 152     |
|   | 6  | 255     |
| <u>Prenolepis imparis</u> Say - - - - -   | 3  | 104     |
| <u>Prenolepis longicornis</u> Latr. - - - - -   | 3  | 103     |
| <u>Prionus laticollis</u> Drury - - - - -   | 5  | 182     |
| <u>Prociophilus tessellatus</u> Fitch - - - - -   | 4  | 156     |
| <u>Prodenia ornithogalli</u> Guen. - - - - -  | 3  | 30,89   |
|   | 5  | 195     |
|   | 7  | 278     |
| <u>Proteopteryx bolliana</u> Sling. - - - - -   | 2  | 39      |
|   | 3  | 77      |
| <u>Proteopteryx willingana</u> Kearf. - - - - -   | 2  | 43      |
| <u>Protoparce quinquemaculata</u> Haw. (see also<br><u>Phlegethontius quinquemaculata</u> ) - - - - - | -5 | 198     |
| <u>Protoparce sexta</u> Joh. - - - - -  | 3  | 90      |
|   | 5  | 198     |
|   | 8  | 327     |
| <u>Protoparce</u> spp. - - - - -  | 5  | 198     |
| <u>Protoculvinaria pyriformis</u> Ckll. - - - - -   | 2  | 42      |
| <u>Psallus seriatus</u> Reut. - - - - -   | 7  | 297     |
| <u>Pseudaonidia duplex</u> Ckll. - - - - -  | 4  | 154     |

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| <u>Pseudococcus citri</u> Risso - - - - -     | 3          | 88          |
| <u>Pseudococcus maritimus</u> Ehhh. - - - - - | 8          | 319         |
| <u>Pseudococcus nipae</u> Mask. - - - - -     | 2          | 43          |
| <u>Psila rosae</u> Fab. - - - - -             | 3          | 88          |
| <u>Psoroptes communis</u> Furst. - - - - -    | 1          | 19, 20      |
| <u>Psylla pyricola</u> Foerst. - - - - -      | 2          | 37          |
|   | 3          | 70, 71      |
|   | 5          | 122         |
|   | 6          | 233, 234    |
| <u>Pteronidea ribesi</u> Scop. - - - - -      | 3          | 76          |
|   | 4          | 134         |
|   | 5          | 187         |
| <u>Ptilinus ruficornis</u> Say - - - - -      | 6          | 259         |
| <u>Ptychodes vittata</u> Fab. - - - - -       | 3          | 77          |
| <u>Eulex irritans</u> L. - - - - -            | 3          | 97          |
|   | 4          | 159         |
| <u>Pulvinaria vitis</u> L. - - - - -          | 1          | 17          |
|   | 2          | 40          |
|   | 4          | 155, 156    |
|   | 5          | 206         |
| <u>Pyralis farinalis</u> L. - - - - -         | 5          | 177         |
| <u>Pyrausta ainsliei</u> Heinr. - - - - -     | 3          | 61          |
| <u>Pyrausta nubilalis</u> Hbn. - - - - -      | 3          | 61          |
|   | 6          | 225         |
|   | 7          | 277         |

R

|  |    |     |
|--|----|-----|
| <u>Rachela bruceata</u> Hulst - - - - -              | -2 | 33  |
| <u>Reticulitermes flavipes</u> Kol. - - - - -        | 1  | 21  |
|  | 2  | 38  |
|  | 3  | 102 |
|  | 5  | 215 |
|  | 6  | 269 |
| <u>Reticulitermes virginicus</u> Banks - - - - -     | 3  | 102 |
| <u>Rhagoletis cingulata</u> Loew. - - - - -          | 6  | 236 |
| <u>Rhagoletis pomonella</u> Walsh - - - - -          | 1  | 10  |
|  | 2  | 34  |
|  | 8  | 317 |
| <u>Rhigopsis effracta</u> Lec. - - - - -             | 3  | 75  |
|  | 4  | 132 |
| <u>Rhipicephalus sanguineus</u> Latr. - - - - -      | 1  | 20  |
| <u>Rhodites bicolor</u> Harr. - - - - -              | 5  | 211 |
| <u>Rhopalosiphum nymphaeae</u> L. - - - - -          | 6  | 265 |
| <u>Rhopalosiphum prunifoliae</u> Fitch - - - - -     | 2  | 31  |
|  | 3  | 65  |
|  | 7  | 279 |
|  | 8  | 315 |
| <u>Rhopalosiphum pseudobrassicae</u> Davis - - - - - | 6  | 251 |

|   | <u>No.</u> | <u>Page</u> |
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| <u>Rhopobota naevana</u> Hbn. - - - - -                             | 4          | 134         |
| <u>Rhyacionia frustrana</u> Comst. - - - - -                        | 5          | 208         |
| <u>Rhynchites bicolor</u> Fab. - - - - -                            | 4          | 157         |
|   | 6          | 265         |
| S   |            |             |
| <u>Saissetia oleae</u> Bern. - - - - -                              | 5          | 187, 188    |
| <u>Saperda calcarata</u> Say - - - - -                              | 5          | 208         |
| <u>Saperda candida</u> Fab. - - - - -                               | 1          | 11          |
| <u>Saperda tridentata</u> Oliv. - - - - -                           | 2          | 48          |
|   | 6          | 258         |
| <u>Saropogon dispar</u> Coq. - - - - -                              | 7          | 304         |
| <u>Schizax senex</u> Lec. - - - - -                                 | 1          | 17          |
| <u>Schizura concinna</u> S. & A. - - - - -                          | 7          | 279         |
| <u>Sciara hastata</u> Johan. - - - - -                              | 2          | 46          |
| <u>Scirtothrips citri</u> Moulton - - - - -                         | 1          | 12          |
|   | 3          | 78          |
| <u>Scolytus quadrispinosus</u> Say - - - - -                        | 3          | 92          |
|   | 4          | 155         |
|   | 6          | 258         |
| <u>Scolytus rugulosus</u> Ratz. - - - - -                           | 1          | 11          |
|   | 2          | 36          |
|   | 3          | 72          |
|   | 5          | 183         |
|   | 6          | 235         |
|   | 7          | 283         |
|   | 8          | 318         |
| <u>Scutellista cyanea</u> Motsch. - - - - -                         | 5          | 187         |
| <u>Secodella acrobasis</u> Gwfd. - - - - -                          | 2          | 40          |
| <u>Semasia nigricana</u> Steph. - - - - -                           | 7          | 291         |
| <u>Serica parallela</u> Casey - - - - -                             | 6          | 262, 263    |
| <u>Silvanus surinamensis</u> L. - - - - -                           | 8          | 338         |
| <u>Simulium</u> sp. prob. <u>pecuarum</u> Riley - - - - -           | 3          | 98          |
| <u>Sipha flava</u> Forbes - - - - -                                 | 2          | 26          |
| <u>Siphonaptera</u> - - - - -                                       | 3          | 97          |
|   | 4          | 159         |
|   | 5          | 213         |
|   | 8          | 336         |
| <u>Sitona hispidulus</u> Fab. - - - - -                             | 6          | 226         |
|   | 8          | 314         |
| <u>Sitotroga cerealella</u> Oliv. - - - - -                         | 8          | 338         |
| <u>Smynturus</u> sp. - - - - -                                      | 3          | 87          |
| <u>Solenopotes capillatus</u> Enderlein - - - - -                   | 1          | 18          |
| <u>Solenopsis geminata</u> Fab. - - - - -                           | 3          | 82, 104     |
|   | 8          | 320         |
| <u>Solenopsis geminata</u> Fab. subsp. <u>rufa</u> Jerdon - - - - - | 3          | 103         |
| <u>Solenopsis molesta</u> Say - - - - -                             | 3          | 104         |
|   | 4          | 160         |
| <u>Sphenophorus aequalis</u> Gyll. - - - - -                        | 5          | 175         |



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| <u>Sphenophorus destructor</u> Chitt. - - - - -             | 3   | 64            |
| <u>Sphenophorus ochreus</u> Lec. - - - - -                  | 4   | 116           |
| <u>Sphenophorus parvulus</u> Gyll. - - - - -                | 3   | 64            |
|   | 4   | 116           |
| <u>Sphenophorus</u> sp. - - - - -                           | 3   | 61, 64        |
|   | 4   | 116           |
|   | 5   | 175           |
| <u>Sphenophorus venatus</u> Say - - - - -                   | 3   | 64            |
| <u>Sphenophorus zeae</u> Walsh - - - - -                    | 3   | 64            |
| <u>Stictocephala festina</u> Say - - - - -                  | 41  | 9             |
|   | 5   | 181           |
| <u>Stilpnobia salicis</u> L. - - - - -                      | 5   | 208           |
| <u>Stomoxys calcitrans</u> L. - - - - -                     | 1   | 18            |
|   | 2   | 49            |
|   | 3   | 99, 100       |
|   | 5   | 213           |
|   | 7   | 305           |
|   | 8   | 337           |
| <u>Straussia longipennis</u> Wied. - - - - -                | 7   | 303           |
| <u>Sycophanta</u> sp. - - - - -                             | 8   | 327           |
| <u>Systema hudsonias</u> Forst. - - - - -                   | 4   | 126           |
| <u>Systema taeniata</u> Melsh. - - - - -                    | 4   | 116, 126, 137 |
|   | 5   | 194           |
| <u>Systema taeniata</u> var. <u>blanda</u> Melsh. - - - - - | 4   | 140           |
|   | 5   | 193           |

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| <u>Tabanus lasiophthalmus</u> Macq. - - - - -   | 5 | 214           |
|   | 6 | 268           |
| <u>Tabanus lineola</u> Fab. - - - - -           | 5 | 214           |
| <u>Tabanus pumilus</u> Macq. - - - - -          | 3 | 99            |
| <u>Tabanus rubescens</u> Bellardi - - - - -     | 3 | 99            |
| <u>Taeniothrips inconsequens</u> Uzel - - - - - | 2 | 36, 37        |
| <u>Tapinoma sessile</u> Say - - - - -           | 4 | 161           |
| <u>Tarsonemus pallidus</u> Banks - - - - -      | 8 | 335           |
| <u>Tenebrio obscurus</u> L. - - - - -           | 3 | 105           |
|   | 7 | 308           |
| <u>Tenebrioëdes mauritanicus</u> L. - - - - -   | 2 | 52            |
|   | 7 | 308           |
|   | 8 | 338           |
| <u>Tetanops aldrichi</u> Hendel - - - - -       | 5 | 193           |
| <u>Tetramorium guineense</u> Fab. - - - - -     | 3 | 103           |
| <u>Tetranychus</u> sp. - - - - -                | 4 | 140           |
|   | 6 | 237, 246      |
| <u>Tetranychus telarius</u> L. - - - - -        | 1 | 13            |
|   | 3 | 95            |
|   | 5 | 208           |
|   | 6 | 254, 259, 262 |
|   | 7 | 285, 297      |



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|---|---|---------------|---|
| <u>Tetranychus viridis</u> Banks - - - - -          | 8 | 318           | 3 |
| <u>Tetranychus votheresi</u> McGregor - - - - -     | 2 | 43            |   |
| <u>Thecodiplosis liriodendri</u> C. S. - - - - -    | 5 | 209           |   |
|   | 6 | 261           |   |
| <u>Therioaphis tiliae</u> L. - - - - -              | 7 | 302           |   |
| <u>Thrips tabaci</u> Linä. - - - - -                | 1 | 14            |   |
|   | 4 | 144           |   |
|   | 5 | 193           |   |
|   | 6 | 247, 250, 263 |   |
|   | 7 | 292           |   |
| <u>Thyridopteryx ephemeraeformis</u> Haw. - - - - - | 3 | 91, 92        |   |
|   | 5 | 201, 202      |   |
|   | 6 | 256           |   |
|   | 7 | 298           |   |
|   | 8 | 328           |   |
| <u>Tibicina septendecim</u> L. - - - - -            | 3 | 90, 91        |   |
|   | 4 | 150, 151, 152 |   |
|   | 5 | 200           |   |
|   | 6 | 254, 255      |   |
|   | 7 | 298           |   |
|   | 8 | 327, 328      |   |
| <u>Tinea pellionella</u> L. - - - - -               | 3 | 101           |   |
| <u>Tmetocera ocellana</u> D. & S. - - - - -         | 2 | 34            |   |
|   | 3 | 67            |   |
|   | 4 | 121           |   |
| <u>Tolyte vellea</u> Comst. - - - - -               | 6 | 264           |   |
| <u>Tortrix funiferana</u> Clem. (see also           |   |               |   |
| <u>Cacoecia funiferana</u> and <u>Harmolopa</u>     |   |               |   |
| <u>funiferana</u> ) - - - - -                       | 5 | 208           |   |
| <u>Tortrix quercifoliana</u> Fitch - - - - -        | 4 | 156           |   |
|   | 5 | 207           |   |
| <u>Toumeyella liriodendri</u> Gmel. - - - - -       | 6 | 261           |   |
|   | 7 | 302           |   |
|   | 8 | 335           |   |
| <u>Toumeyella pini</u> King - - - - -               | 4 | 156           |   |
| <u>Toxoptera graminum</u> Rond. - - - - -           | 1 | 7, 8          |   |
|   | 2 | 26, 27        |   |
|   | 3 | 57, 58        |   |
| <u>Toxotrypana curvicauda</u> Gerst. - - - - -      | 2 | 41            |   |
| <u>Trachelus tabidus</u> Fabr. - - - - -            | 5 | 172           |   |
| <u>Trama erigeronensis</u> Thos. - - - - -          | 5 | 210, 211      |   |
| <u>Trialeurodes floridensis</u> Q. - - - - -        | 2 | 43            |   |
| <u>Tribolium confusum</u> Duv. - - - - -            | 3 | 104           |   |
|   | 4 | 162           |   |
| <u>Trichobaris trinotata</u> Say - - - - -          | 8 | 321           |   |
| <u>Trichodectes climax</u> Nitzsch - - - - -        | 1 | 20            |   |
| <u>Trichodectes scälaris</u> Nitzsch - - - - -      | 1 | 18            |   |
| <u>Trichogramma minutum</u> Riley - - - - -         | 5 | 199           |   |
| <u>Trombicula tlalzahuatl</u> Murray - - - - -      | 3 | 98, 101       |   |
|   | 5 | 213           |   |
|   | 6 | 267           |   |
|   | 7 | 305           |   |

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| <u>Tylenchus dipsasi</u> Kuhn - - - - -     | 5          | 211         |
| <u>Tyloclerma fragariae</u> Riley - - - - - | 3          | 82          |
| <u>Typhlocyba comes</u> Say (see also       | 8          | 321         |
| <u>Erythroneura comes</u> ) - - - - -       | 2          | 40          |
|   | 3          | 75          |
| <u>Typhlocyba rosae</u> L. - - - - -        | 4          | 157         |
| <u>Tyroglyphus</u> sp. - - - - -            | 8          | 338         |

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| <u>Uranotes melinus</u> Hbn. - - - - - | 5 | 196 |
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XYZ

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| <u>Xylina antennata</u> Walker - - - - - | 4 | 121      |
|  | 7 | 280, 231 |
| <u>Zeuzera pyrina</u> Fab. - - - - -     | 3 | 92       |

## C o m m o n N a m e I n d e x

The following list of common names is appended for the convenience of readers of this number of the Insect Pest Survey Bulletin and in no way should be construed as an approved list of common names; in fact, many of the names in this list will have radically different names proposed by the Committee of the American Association of Economic Entomologists. The names followed by the letters "a.n.o." are names which have already been approved by the American Association of Economic Entomologists and, for the time being, can be considered as standard. The others must be regarded as tentative.

### A

### See

|  |   |
|--|---|
| Abbot's white pine sawfly - - - - -      | - <u>Lophyrus abbotii</u> Leach             |
| Alder olight - - - - -                   | - <u>Prociophilus tessellatus</u> Fitch     |
| Alfalfa caterpillar - - - - -            | - <u>Eurytus eurythere</u> Boisd.           |
| Alfalfa weevil a. n. o. - - - - -        | - <u>Phytanonus nosticus</u> Gyll.          |
| Anomala - - - - -                        | - <u>Anomala orientalis</u> Waterh.         |
| Ants - - - - -                           | - <u>Formicidae</u>                         |
| Apple and thorn skeletonizer - - - - -   | - <u>Hemerophila pariana</u> Clerck         |
| Apple flea weevil - - - - -              | - <u>Orchestes pallicornis</u> Say          |
| Apple-grain aphid - - - - -              | - <u>Rhopalosiphum prunifoliae</u> Fitch    |
| Apple leafhopper - - - - -               | - <u>Empoasca mali</u> LeB.                 |
| Apple maggot a.n.o. - - - - -            | - <u>Rhagoletis pomonella</u> Walsh         |
| Apple red bug - - - - -                  | - <u>Heterocordylus malinus</u> Reut.       |
| Arocrvitae leaf-miner - - - - -          | - <u>Argyresthia thuiella</u> Pack.         |
| Argentine ant a.n.o. - - - - -           | - <u>Iridomyrmex humilis</u> Mayr           |
| Argus tortoise-cosette - - - - -         | - <u>Chelymropha cassidea</u> Fab.          |
| Armyworm a.n.o. - - - - -                | - <u>Cirphis unipuncta</u> Haw.             |
| Artichoke plume moth - - - - -           | - <u>Platyptilia</u> sp.                    |
| Ash aphid - - - - -                      | - <u>Pemphigus fraxinifolii</u> Thom.       |
| Ash borer - - - - -                      | - <u>Podosesia fraxini</u> Lugger           |
| Ash-gray olister-beetle a.n.o. - - - - - | - <u>Macrobasis unicolor</u> Kby.           |
| Asparagus beetle - - - - -               | - <u>Crioceris asparagi</u> L.              |
| Avocado blossom tarips - - - - -         | - <u>Frankliniella cephalicus</u> Craw.     |
| Avocado leafhopper - - - - -             | - <u>Empoasca minuenda</u> Bail             |
| Avocado leaf-roller - - - - -            | - <u>Gracilaria perseae</u> Busck           |
| Avocado leaf thrips - - - - -            | - <u>Heliothrips haemorrhoidalis</u> Bouche |
| Avocado red-spider - - - - -             | - <u>Tetranychus yothersi</u> McG.          |
| Avocado whitefly - - - - -               | - <u>Trialeurodes floridensis</u> Q.        |

### B

|                                   |   |
|-----------------------------------|---|
| Bagworm a.n.o. - - - - -          | - <u>Thyridopterix ephemeraeformis</u> Haw. |
| Barn-swallow bug - - - - -        | - <u>Oeciacus vicarius</u> Horv.            |
| Basswood aphid - - - - -          | - <u>Therioaphis tiliae</u> L.              |
| Bean aphid - - - - -              | - <u>Anhis rumicis</u> L.                   |
| Bean leaf-beetle a.n.o. - - - - - | - <u>Cerotoma trifurcata</u> Foerst.        |
| Bean leaf-roller a.n.o. - - - - - | - <u>Eudamus proteus</u> L.                 |
| Bean weevil a.n.o. - - - - -      | - <u>Mylabris obtectus</u> Say              |
| Bee louse - - - - -               | - <u>Braula coeca</u> Nitzsch               |
| Belted cucumber-beetle - - - - -  | - <u>Diabrotica balteata</u> Lec.           |



|  |  |
|--|--|
| Birch leaf-skeletonizer - - - - -            | - <u>Bucculatrix canadensisella</u> Chamb. |
| Biting louse of cattle - - - - -             | - <u>Trichodectes scalaris</u> Nitzsch     |
| Blackberry crown-borer - - - - -             | - <u>Bembecia marginata</u> Harr.          |
| Black blow-fly - - - - -                     | - <u>Phormia regina</u> Meig.              |
| Black chrysanthemum aphid - - - - -          | - <u>Macrosiphoniella sanborni</u> Gill.   |
| Black fly - - - - -                          | - <u>Simulium</u> sp.                      |
| Black grain-stem sawfly - - - - -            | - <u>Trachelus tabidus</u> Fabr.           |
| Black-headed cranberry worm a.n.o. - - - - - | - <u>Rhopobota naevana</u> Hbn.            |
| Black-legged tortoise-beetle - - - - -       | - <u>Jonthonota nigripes</u> Oliv.         |
| Black peach aphid a.n.o. - - - - -           | - <u>Anuraphis persicae-niger</u> Smith    |
| Black plant-bug - - - - -                    | - <u>Typhisia brachycerus</u> Uhler        |
| Black scale a.n.o. - - - - -                 | - <u>Saissetia oleae</u> Bern.             |
| Black swallow-tail butterfly - - - - -       | - <u>Papilio polyxenes</u> Fab.            |
| Black vine weevil - - - - -                  | - <u>Brachyrhinus sulcatus</u> Fab.        |
| Blister-beetles - - - - -                    | - <u>Meloidae</u>                          |
| Blood-sucking cattle louse - - - - -         | - <u>Solenopotes capillatus</u> Enderlein  |
| Blossom anomala - - - - -                    | - <u>Anomala undulata</u> Melsh.           |
| Boll weevil a.n.o. - - - - -                 | - <u>Anthonomus grandis</u> Boh.           |
| Booklouse - - - - -                          | - <u>Atropos divinatoria</u> Muell.        |
| Boxelder aphid a.n.o. - - - - -              | - <u>Periphyllus negundinis</u> Thos.      |
| Boxelder plant-bug - - - - -                 | - <u>Leptocoris trivittatus</u> Say        |
| Boxelder twig-borer - - - - -                | - <u>Proteopteryx willingana</u> Kearf.    |
| Boxwood leaf-miner - - - - -                 | - <u>Monarthropalpus buxi</u> Labou.       |
| Bronze birch borer - - - - -                 | - <u>Agilus anxius</u> Gory                |
| Brown colaspis - - - - -                     | - <u>Colaspis brunnea</u> Fab.             |
| Brown dog tick - - - - -                     | - <u>Rhipicephalus sanguineus</u> Latr.    |
| Brown plum aphid - - - - -                   | - <u>Hysteronera setariae</u> Thos.        |
| Brown-tail moth - - - - -                    | - <u>Euproctis chrysorrhoea</u> L.         |
| Brown winter tick - - - - -                  | - <u>Dermacentor nigrolineatus</u> Pack.   |
| Bruce's measuring-worm - - - - -             | - <u>Rachela bruceata</u> Hulst            |
| Bud moth a.n.o. - - - - -                    | - <u>Imetocera ocellana</u> D. & S.        |
| Budworm - - - - -                            | - <u>Heliothis virescens</u> Fab.          |
| Buffalo treehopper a.n.o. - - - - -          | - <u>Ceresa bubalus</u> Fab.               |
| Bumble flower-beetle - - - - -               | - <u>Euphoria inda</u> L.                  |

C

|  |   |
|--|---|
| Cabbage aphid - - - - -                              | - <u>Brevicoryne brassicae</u> L.         |
| Cabbage curculio - - - - -                           | - <u>Ceutorhynchus rapae</u> Gyll.        |
| Cabbage maggot a.n.o. - - - - -                      | - <u>Hyalemyia brassicae</u> Bouche       |
| Cabbage worm (imported cabbageworm a.n.o.) - - - - - | - <u>Pontia rapae</u> L.                  |
| Cadelle - - - - -                                    | - <u>Tenebroides mauritanicus</u> L.      |
| California pear sawfly - - - - -                     | - <u>Gymnomychus californicus</u> Marlatt |
| Camphor scale - - - - -                              | - <u>Pseudonidia duplex</u> Ckll.         |
| Camphor thrips a.n.o. - - - - -                      | - <u>Cryptothrips floridensis</u> Watson  |
| Carrot rust fly - - - - -                            | - <u>Psila rosae</u> Fab.                 |
| Catalpa midge - - - - -                              | - <u>Cecidomyia catalpae</u> Comst.       |
| Catalpa sphinx a.n.o. - - - - -                      | - <u>Ceratonia catalpae</u> Boisd.        |
| Cattle scab - - - - -                                | - <u>Psoroptes communis</u> Furst.        |
| Cattle tick a.n.o. - - - - -                         | - <u>Margaropus annulatus</u> Say         |
| Chaff scale a.n.o. - - - - -                         | - <u>Parlatoria pergandii</u> Comst.      |
| Cherry aphid a.n.o. - - - - -                        | - <u>Myzus cerasi</u> Fab.                |



See

|                              |           |   |
|------------------------------|-----------|---|
| Cherry fruit-fly             | - - - - - | <u>Rhagoletis cingulata</u> Loew        |
| Chicken head louse           | - - - - - | <u>Lapeurus heterographus</u> Nitzsch   |
| Chicken mite                 | - - - - - | <u>Dermanyssus gallinae</u> Redi        |
| Chigger                      | - - - - - | <u>Trombicula tlalzahuatl</u> Murray    |
| Chinch bug a.n.o.            | - - - - - | <u>Blissus leucoconterus</u> Say        |
| Chinese praying mantis       | - - - - - | <u>Paratenodera sinensis</u> Sauss.     |
| Chrysanthemum gall-midge     | - - - - - | <u>Diarthronomyia hypogaea</u> F. Loew  |
| Chrysanthemum leaf-tyer      | - - - - - | <u>Phlyctaenia rubiculis</u> Guen.      |
| Citrus root weevil           | - - - - - | <u>Pachnaeus litius</u> Germ.           |
| Citrus thrips                | - - - - - | <u>Scirtothrips citri</u> Moulton       |
| Citrus whitefly a.n.o.       | - - - - - | <u>Dialeurodes citri</u> Ashm.          |
| Climbing cutworms            | - - - - - | <u>Lampra</u> spp.                      |
| Clothes moth                 | - - - - - | <u>Tinea pellionella</u> L.             |
| Clover-leaf weevil           | - - - - - | <u>Hypera punctata</u> Fab.             |
| Clover mite a.n.o.           | - - - - - | <u>Bryobia praetiosa</u> Koch           |
| Clover root-borer a.n.o.     | - - - - - | <u>Hylastinus obscurus</u> Marsh.       |
| Clover-root curculio         | - - - - - | <u>Sitona hispidulus</u> Fab.           |
| Clover-seed caterpillar      | - - - - - | <u>Laspeyresia interstinctana</u> Clem. |
| Clover-seed chalcid          | - - - - - | <u>Bruchophagus funebris</u> How.       |
| Coconut mealybug             | - - - - - | <u>Pseudococcus nipae</u> Mask.         |
| Codling moth a.n.o.          | - - - - - | <u>Carpocapsa pomonella</u> L.          |
| Common field cricket         | - - - - - | <u>Gryllus assimilis</u> Fab.           |
| Common goat louse            | - - - - - | <u>Trichodectes clinox</u> Nitzsch      |
| Common mealybug              | - - - - - | <u>Pseudococcus citri</u> Risse         |
| Confused flour beetle        | - - - - - | <u>Tribolium confusum</u> Duv.          |
| Corn earworm                 | - - - - - | <u>Heliothis obsoleta</u> Fab.          |
| Corn-leaf aphid              | - - - - - | <u>Aphis maidis</u> Fitch               |
| Corn-root webworm            | - - - - - | <u>Crambus caliginosellus</u> Clem.     |
| Cotton aphid a.n.o.          | - - - - - | <u>Aphis gossypii</u> Glov.             |
| Cotton flea                  | - - - - - | <u>Psallus seriatus</u> Reut.           |
| Cotton leaf-bug              | - - - - - | <u>Adelphocoris rapidus</u> Say         |
| Cotton leaf perforator       | - - - - - | <u>Bucculatrix thurberiella</u> Busck   |
| Cotton leafworm              | - - - - - | <u>Alabama argillacea</u> Hbn.          |
| Cotton red-spider            | - - - - - | <u>Tetranychus telarius</u> L.          |
| Cotton square-borer          | - - - - - | <u>Uranotes melinus</u> Hbn.            |
| Cottonwood leaf-beetle       | - - - - - | <u>Melasoma scripta</u> Fab.            |
| Cottony-chshion scale a.n.o. | - - - - - | <u>Cercera purchasi</u> Mask.           |
| Cottony grass scale          | - - - - - | <u>Eriopeltis festucae</u> Fonsc.       |
| Cottony-maple scale a.n.o.   | - - - - - | <u>Pulvinaria vitis</u> L.              |
| Cowpea curculio              | - - - - - | <u>Chalcodermus aeneus</u> Boh.         |
| Crazy ant                    | - - - - - | <u>Prenolepis longicornis</u> Latr.     |
| Crickets                     | - - - - - | Gryllidae                               |
| Curfant aphid a.n.o.         | - - - - - | <u>Myzus ribis</u> L.                   |
| Cutting ant                  | - - - - - | <u>Atta texana</u> Buck.                |
| Cutworms                     | - - - - - | Noctuidae                               |

D

|                        |           |  |
|------------------------|-----------|--|
| Dandelion-root aphid   | - - - - - | <u>Trioxys erigeronensis</u> Thos.       |
| Dark mealworm          | - - - - - | <u>Tenebrio obscurus</u> L.              |
| Depressed flour-beetle | - - - - - | <u>Palorus depressus</u> Fab.            |
| Dictyospermum scale    | - - - - - | <u>Chrysomphalus dictyospermi</u> Morgan |
| Dry-land wireworm      | - - - - - | <u>Ludius noxius</u> Hyslop              |

E

See

|   |  |
|---|--|
| Eight-spotted forester a.n.o. - - - - - | - <u>Alypia octomaculata</u> Fab.        |
| Elm aphid - - - - -                     | - <u>Myzocallis ulmifolii</u> Monell     |
| Elm borer a.n.o. - - - - -              | - <u>Saperda tridentata</u> Oliv.        |
| Elm cockscomb gall - - - - -            | - <u>Colopha ulmicola</u> Fitch          |
| Elm leaf-beetle - - - - -               | - <u>Galerucella luteola</u> Mull.       |
| Elm leaf-miner - - - - -                | - <u>Kaliotenus ulmi</u> Sund.           |
| Euonymus scale a.n.o. - - - - -         | - <u>Chionaspis euonymi</u> Comst.       |
| European corn borer a.n.o. - - - - -    | - <u>Pyrausta nubilalis</u> Huebn.       |
| European earwig - - - - -               | - <u>Forficula auricularia</u> L.        |
| European-elm scale a.n.o. - - - - -     | - <u>Gossyparia spuria</u> Modeer        |
| European fruit lecanium - - - - -       | - <u>Lecanium corni</u> Bouche           |
| European hen flea - - - - -             | - <u>Ceratophyllus gallinae</u> Schrank  |
| European pine-shoot moth - - - - -      | - <u>Evetria bucliana</u> Schiff.        |
| European red-mite - - - - -             | - <u>Paratetranychus pilosus</u> C. & F. |

F

|   |  |
|---|--|
| Fall armyworm a.n.o. - - - - -                | - <u>Laphygma frugiperda</u> S. & A.       |
| Fall cankerworm a.n.o. - - - - -              | - <u>Alsonphila pometaria</u> Harr.        |
| Fall webworm a.n.o. - - - - -                 | - <u>Hyphantria cunea</u> Drury            |
| False apple red-bug - - - - -                 | - <u>Lygidea mendax</u> Reut.              |
| False chinch-bug - - - - -                    | - <u>Nysius ericae</u> Schill.             |
| Feather mite - - - - -                        | - <u>Liponyssus silviarum</u> C. & F.      |
| Fire ant - - - - -                            | - <u>Solenopsis geminata</u> Fab.          |
| Fir sawfly - - - - -                          | - <u>Lophyrus abietis</u> Harr.            |
| Flat-headed apple-tree borer a.n.o. - - - - - | - <u>Chrysobothris femorata</u> Oliv.      |
| Flat-headed hemlock borer - - - - -           | - <u>Melanophila fulvoguttata</u> Harr.    |
| Flea-beetles - - - - -                        | - <u>Halticinae</u>                        |
| Fleas - - - - -                               | - <u>Siphonaptera</u>                      |
| Flower thrips a.n.o. - - - - -                | - <u>Euthrips tritici</u> Fitch            |
| Fluff chicken louse - - - - -                 | - <u>Goniocotes hologicaster</u> Nitzsch   |
| Forest tent-caterpillar a.n.o. - - - - -      | - <u>Malacosoma disstria</u> Huebn.        |
| Four-lined plant-bug - - - - -                | - <u>Poecillocapsus lineatus</u> Fab.      |
| Four-marked leaf-beetle - - - - -             | - <u>Cryptocephalus quadrimaculatus</u> Sa |
| Fowl tick - - - - -                           | - <u>Argas miniatus</u> Koch               |
| Fruit-tree leaf-roller - - - - -              | - <u>Cacoecia argyrospila</u> Walk.        |
| Fuller's rose beetle - - - - -                | - <u>Pantomorus fulleri</u> Horn           |
| Fuse-plug borer - - - - -                     | - <u>Dermestes frischi</u> Kug.            |

G

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Galls - - - - -                  | - <u>Cynipidae</u>                    |
| Garden flea-hopper - - - - -     | - <u>Halticus citri</u> Ashm.         |
| Garden webworm a.n.o. - - - - -  | - <u>Loxostege similalis</u> Guen.    |
| German roach - - - - -           | - <u>Blattella germanica</u> L.       |
| Giant root-borer - - - - -       | - <u>Prionus laticollis</u> Drury     |
| Giant skipper - - - - -          | - <u>Epargyreus titivrus</u> Fab.     |
| Gipsy moth - - - - -             | - <u>Porthetria dispar</u> L.         |
| Goldenglow aphid - - - - -       | - <u>Macrosiphum rudbeckiae</u> Fitch |
| Golden tortoise-beetle - - - - - | - <u>Metriona bicolor</u> Fab.        |
| Granary weevil a.n.o. - - - - -  | - <u>Calandra granaria</u> L.         |



|                                       |   |
|---------------------------------------|---|
| Grape-berry moth a.n.o. - - - - -     | <u>Polychrosis viteana</u> Clem.        |
| Grape blossom midge - - - - -         | <u>Contarinia johnsoni</u> Sling.       |
| Grape cane-borer - - - - -            | <u>Archicerus bicaudatus</u> Say        |
| Grape flea-beetle a.n.o. - - - - -    | <u>Haltica chalvbea</u> Ill.            |
| Grape leafhopper a.n.o. - - - - -     | <u>Erythroneura comes</u> Say           |
| Grape leaf-roller - - - - -           | <u>Desmia funeralis</u> Huebn.          |
| Grape phylloxera - - - - -            | <u>Phylloxera vitifoliae</u> Fitch      |
| Grape plume-moth a.n.o. - - - - -     | <u>Oxytelus periscelidactylus</u> Fitch |
| Grape rootworm a.n.o. - - - - -       | <u>Fidia viticida</u> Walsh             |
| Grape scale a.n.o. - - - - -          | <u>Aspidiotus uvae</u> Comst.           |
| Grape tube gall - - - - -             | <u>Cecidomyia viticola</u> O.S.         |
| Grapevine aphid - - - - -             | <u>Macrosiphum illinoensis</u> Shim.    |
| Grass mite - - - - -                  | <u>Pediculopsis graminum</u> Reut.      |
| Grass stem weevil - - - - -           | <u>Sphenophorus</u> sp.                 |
| Great-Plains false wireworm - - - - - | <u>Eleodes opaca</u> Say                |
| Greater wheat-stem maggot - - - - -   | <u>Meromyza americana</u> Fitch         |
| Green apple aphid - - - - -           | <u>Aphis pomi</u> DeG.                  |
| Green-bottle fly - - - - -            | <u>Lucilia sericata</u> Meig.           |
| Green bug - - - - -                   | <u>Toxoptera graminum</u> Rond.         |
| Green chrysanthemum aphid - - - - -   | <u>Aphis rufomaculata</u> Wilson        |
| Green flea-beetle - - - - -           | <u>Disorchna</u> sp. n.                 |
| Green fruitworm a.n.o. - - - - -      | <u>Xylina antennata</u> Walker          |
| Green June beetle a.n.o. - - - - -    | <u>Cotinis nitida</u> L.                |
| Green peach aphid a.n.o. - - - - -    | <u>Myzus persicae</u> Sulz.             |
| Green soldier-bug - - - - -           | <u>Nezara hiliaris</u> Fitch            |
| Greenhouse leaf-tyer - - - - -        | <u>Phlyctaenia ferrugalis</u> Hbn.      |
| Greenhouse sowbug - - - - -           | <u>Porcellio rathkei</u> Brandt         |
| Green-striped maple worm - - - - -    | <u>Anisota rubicunda</u> Fab.           |
| Guava leaf-roller - - - - -           | <u>Attelabus sexmaculatus</u> Chev.     |

## H

|  |                                       |
|--|---------------------------------------|
| Hag moth a.n.o. - - - - -              | <u>Phobetrus pithecium</u> S. & A.    |
| Half-winged geometer - - - - -         | <u>Phigalia titea</u> Cramer          |
| Harlequin cabbage bug a.n.o. - - - - - | <u>Muriantia histrionica</u> Hahn     |
| Henhouse bedbug - - - - -              | <u>Haematosiphon inodorus</u> Duges   |
| Hessian fly a.n.o. - - - - -           | <u>Phytophaga destructor</u> Say      |
| Hickory bark-beetle a.n.o. - - - - -   | <u>Scolytus quadristriatus</u> Say    |
| Hickory nut weevil - - - - -           | <u>Balaninus carvae</u> Horn          |
| Horn fly - - - - -                     | <u>Haematobia irritans</u> L.         |
| Horse bot-fly - - - - -                | <u>Gastrophilus intestinalis</u> DeG. |
| Horseradish flea-beetle - - - - -      | <u>Phyllotreta armoraciae</u> Koch    |
| House cricket a.n.o. - - - - -         | <u>Grillus domesticus</u> L.          |
| House fly a.n.o. - - - - -             | <u>Musca domestica</u> L.             |

## I

|   |                                      |
|---|--------------------------------------|
| Imbricated snout-beetle a.n.o. - - - - -    | <u>Epicaerus imbricatus</u> Say      |
| Imported currant borer - - - - -            | <u>Aegeria tipuliformis</u> Clerck   |
| Imported currantworm a.n.o. - - - - -       | <u>Pteronidea ribesi</u> Scop.       |
| Imported pine sawfly - - - - -              | <u>Diprion simile</u> Hartig         |
| Imported poplar and willow beetle - - - - - | <u>Plagiocera versicolora</u> Laich. |
| Indian-meal moth a.n.o. - - - - -           | <u>Plodia interpunctella</u> Huebn.  |

See

Inflated wireworm - - - - - Ludius inflatus Say  
Iris borer - - - - - Macronoctua onusta Grote  
Irrigation wireworm - - - - - Pheletes sp.

J

Japanese beetle - - - - - Popillia japonica Newm.

K

Lappet moth - - - - - Tolyte velleda Comst.  
Larch case-bearer a.n.o. - - - - - Coleophora laricella Huebn.  
Larch sawfly - - - - - Nematus erichsonii Hartig  
Larder beetle a.n.o. - - - - - Dermestes lardarius L.  
Large body hen louse(or Large head louse) - - - - Menopon biseriatum Piaget  
Larger chestnut weevil - - - - - Balaninus proboscideus Fab.  
Leafhoppers - - - - - Jassidae  
Leaf-roller - - - - - Archips parallela Rob.  
Lesser appleworm a.n.o. - - - - - Laspeyresia prunivora Walsh  
Lesser canna leaf-roller - - - - - Geshna cannalis Quaint.  
Lesser chestnut weevil - - - - - Balaninus algonquinus Casey  
Lesser clover-leaf weevil - - - - - Phytonomus nigrirostris Fab.  
Lesser corn stalk-borer - - - - - Elasmopalpus lignosellus Zell.  
Lesser peach-tree borer - - - - - Aegeria pictipes G. & R.  
Lilac borer a.n.o. - - - - - Podosesia syringae Harr.  
Little black ant - - - - - Monomorium minimum Buckley  
Little hickory aphid - - - - - Monellia caryella Fitch  
Locust borer a.n.o. - - - - - Cyllene robiniae Forst.  
Locust leaf-miner - - - - - Chalepus dorsalis Thunb.  
Lubber grasshopper - - - - - Brachystola magna Gir.

M

Magnolia scale a.n.o. - - - - - Neolecanium cornuparvum Thos.  
Malaria mosquito - - - - - Anopheles quadrimaculatus Say  
Mango shield scale - - - - - Coccus acuminatus Sign.  
Maple chaitophorus - - - - - Periphyllus lyropicta Kies.  
March flies - - - - - Bibio spp.  
May beetles - - - - - Phyllorhaga spp.  
Meal snout-moth - - - - - Pyrallis farinalis L.  
Mealy plum aphid - - - - - Hyalopterus arundinis Fab.  
Mediterranean flour moth a.n.o. - - - - - Ephestia kuehniella Zell.  
Melon caterpillar a.n.o. - - - - - Diaphania hvalinata L.  
Mesquite borer - - - - - Schizax senex Lec.  
Mexican bean beetle - - - - - Epilachna corrupta Muls.  
Millipede - - - - - Diploiuulus luscus  
Monterey-cypress bark-beetle - - - - - Phloeosinus cupressi Hopk.  
Mormon cricket - - - - - Anabrus simplex Hald.



See

|                                       |  |
|---------------------------------------|--|
| Mosquitoes - - - - -                  | - Culicidae                            |
| Mottled tortoise-beetle - - - - -     | - <u>Chirida guttata</u> Oliv.         |
| Mound-building ant. - - - - -         | - <u>Formica exsectoides</u> Forel     |
| Mountain-pine beetle a.n.o. - - - - - | - <u>Dendroctonus monticolae</u> Hopk. |
| Murky ground-beetle - - - - -         | - <u>Harpalus caliginosus</u> Fab.     |

N

|                                     |  |
|-------------------------------------|--|
| Naked slugs - - - - -               | - <u>Agriolimax</u> sp.                  |
| Nantucket pine moth - - - - -       | - <u>Rhyacionia frustrana</u> Comst.     |
| Narcissus-bulb fly - - - - -        | - <u>Merodon equestris</u> Fab.          |
| Negro bug a.n.o. - - - - -          | - <u>Corimelaena pulicaria</u> Germ.     |
| New York weevil a.n.o. - - - - -    | - <u>Ithycerus noveboracensis</u> Forst. |
| Northern tobacco hornworm - - - - - | - <u>Protoparce quinquemaculata</u> Haw. |
| Nuttall's blister-beetle - - - - -  | - <u>Lytta nuttalli</u> Say              |

O

|                                     |  |
|-------------------------------------|--|
| Oak leaf-roller - - - - -           | - <u>Tortrix quercifoliana</u> Fitch   |
| Oak lecanium - - - - -              | - <u>Lecanium quercifex</u> Fitch      |
| Obscure scale - - - - -             | - <u>Chrysomphalus obscurus</u> Comst. |
| Onion maggot a.n.o. - - - - -       | - <u>Hylemyia antiqua</u> Meig.        |
| Onion thrips a.n.o. - - - - -       | - <u>Thrips tabaci</u> Lind.           |
| Orange basket-worm - - - - -        | - <u>Platoeceticus gloverii</u> Pack   |
| Orange leaf-notcher - - - - -       | - <u>Artipus floridanus</u> Horn       |
| Oriental fruit-moth - - - - -       | - <u>Laspeyresia molesta</u> Busck     |
| Oriental moth a.n.o. - - - - -      | - <u>Cnidocampa flavescens</u> Walk.   |
| Ox warble - - - - -                 | - <u>Hypoderma</u> spp.                |
| Oyster-shell scale a.n.o. - - - - - | - <u>Lepidosaphes ulmi</u> L.          |

P

|   |  |
|---|--|
| Pacific poplar girdler - - - - -          | - <u>Agrilus nevadensis</u> Horn         |
| Pale-marked ash borer - - - - -           | - <u>Eburia quadrigeminata</u> Say       |
| Pale-striped flea-beetle a.n.o. - - - - - | - <u>Systema taeniata</u> Melsh.         |
| Pale tussock moth - - - - -               | - <u>Halisidota tessellaris</u> S. & A.  |
| Pales weevil - - - - -                    | - <u>Hylobius pales</u> Herbst           |
| Palmetto leaf-miner - - - - -             | - <u>Homaledra sabalella</u> Chamb.      |
| Pan-American platypus - - - - -           | - <u>Platypus compositus</u> Say         |
| Papaya fruit-fly a.n.o. - - - - -         | - <u>Toxotrypana curvicauda</u> Gerst.   |
| Pea aphid - - - - -                       | - <u>Illinoia pisi</u> Kalt.             |
| Pea moth - - - - -                        | - <u>Semasia nigricana</u> Steph.        |
| Pea weevil a.n.o. - - - - -               | - <u>Mylabris pisorum</u> L.             |
| Peach and plum slug - - - - -             | - <u>Eriocampoides amygdalina</u> Rohwer |
| Peach borer - - - - -                     | - <u>Aegeria exitiosa</u> Say            |
| Peach-twig moth a.n.o. - - - - -          | - <u>Anarsia lineatella</u> Zell.        |
| Pear-leaf blister-mite a.n.o. - - - - -   | - <u>Eriophyes pyri</u> Pgst.            |
| Pear ridge - - - - -                      | - <u>Contarinia pyrivora</u> Riley       |
| Pear slug a.n.o. - - - - -                | - <u>Caliroa cerasi</u> L.               |

See

|                                     |  |
|-------------------------------------|--|
| Pecan bud-moth - - - - -            | - <u>Proteopteryx</u> <u>bolliana</u> Sling.     |
| Pecan cigar case-bearer - - - - -   | - <u>Coleophora</u> <u>caryaefoliella</u> Clem.  |
| Pecan-leaf case-bearer - - - - -    | - <u>Acrobasis</u> <u>nebulella</u> Riley        |
| Pecan-nut case-bearer - - - - -     | - <u>Acrobasis</u> <u>hebescella</u> Hulst       |
| Pecan phylloxera - - - - -          | - <u>Phylloxera</u> <u>devastatrix</u> Perg.     |
| Pecan shuckworm - - - - -           | - <u>Laspeyresia</u> <u>caryana</u> Fitch        |
| Pecan spittle-bug - - - - -         | - <u>Clastoptera</u> <u>obtusa</u> Say           |
| Pecan weevil - - - - -              | - <u>Balaninus</u> <u>caryae</u> Horn            |
| Pepper weevil - - - - -             | - <u>Anthonomus</u> <u>eugenii</u> Cano          |
| Periodical cicada a.n.o. - - - - -  | - <u>Tibicina</u> <u>septendecim</u> L.          |
| Pickleworm a.n.o. - - - - -         | - <u>Diaphania</u> <u>nitidalis</u> Cramer       |
| Pine bark louse - - - - -           | - <u>Chermes</u> <u>pinicorticis</u> Fitch       |
| Pine butterfly - - - - -            | - <u>Neophasia</u> <u>menapia</u> Feld.          |
| Pine defoliater - - - - -           | - <u>Coloradia</u> <u>pandora</u> Blake          |
| Pine-leaf scale - - - - -           | - <u>Chionaspis</u> <u>pinifoliae</u> Fitch      |
| Pine tube-moth - - - - -            | - <u>Eulia</u> <u>pinatubana</u> Kearf.          |
| Pipevine swallowtail - - - - -      | - <u>Papilio</u> <u>philenor</u> L.              |
| Plum curculio a.n.o. - - - - -      | - <u>Conotrachelus</u> <u>nenuphar</u> Hbst.     |
| Plum gouger a.n.o. - - - - -        | - <u>Anthonomus</u> <u>scutellaris</u> Lec.      |
| Poplar borer a.n.o. - - - - -       | - <u>Saperda</u> <u>calcarata</u> Say            |
| Potato aphid - - - - -              | - <u>Macrosiphum</u> <u>solanifolii</u> Ashm.    |
| Potato beetle - - - - -             | - <u>Leptinotarsa</u> <u>decemlineata</u> Say    |
| Potato flea-beetle a.n.o. - - - - - | - <u>Epitrix</u> <u>cucumeris</u> Harr.          |
| Potato leafhopper - - - - -         | - <u>Empoasca</u> <u>mali</u> LeB.               |
| Potato stalk-borer a.n.o. - - - - - | - <u>Trichobaris</u> <u>trinotata</u> Say        |
| Poultry mite - - - - -              | - <u>Dermanyssus</u> <u>gallinae</u> Redi        |
| Powder-post beetle - - - - -        | - <u>Lyctus</u> <u>linearis</u> Goeze            |
| Primrose flea-beetle - - - - -      | - <u>Haltica</u> <u>foliacea</u> Lec.            |
| Purple scale a.n.o. - - - - -       | - <u>Lepidosaphes</u> <u>beckii</u> Newm.        |
| Puss caterpillar - - - - -          | - <u>Megalopyge</u> <u>opercularis</u> S. & A.   |
| Pyriform scale a.n.o. - - - - -     | - <u>Protopulvinaria</u> <u>pyriformis</u> Ckll. |

R

|   |   |
|---|---|
| Rascal leaf-crumpler - - - - -          | - <u>Mineola</u> <u>indigenella</u> Zell.       |
| Raspberry cane-borer a.n.o. - - - - -   | - <u>Oberea</u> <u>bimaculata</u> Oliv.         |
| Raspberry fruitworm - - - - -           | - <u>Byturus</u> <u>unicolor</u> Say            |
| Raspberry maggot - - - - -              | - <u>Phorbia</u> <u>rubivora</u> Coq.           |
| Raspberry sawfly a.n.o. - - - - -       | - <u>Monophadnoides</u> <u>rubi</u> Harr.       |
| Red-banded leaf-roller - - - - -        | - <u>Eulia</u> <u>velutinana</u> Walk.          |
| Red-cedar bark-beetle - - - - -         | - <u>Phloeosinus</u> <u>dentatus</u> Say        |
| Red-humped caterpillar a.n.o. - - - - - | - <u>Schizura</u> <u>concinna</u> S. & A.       |
| Red spider(a)- - - - -                  | - <u>Tetranychus</u> <u>viridis</u> Banks       |
| Red-tail bot-fly - - - - -              | - <u>Gastrophilus</u> <u>haemorrhoidalis</u> L. |
| Regal-moth - - - - -                    | - <u>Citheronia</u> <u>regalis</u> Fab.         |
| Rhubarb curculio - - - - -              | - <u>Lixus</u> <u>concavus</u> Say              |
| Ribbed cocoon-maker - - - - -           | - <u>Bucculatrix</u> <u>pomifoliella</u> Clem.  |
| Rice stalk-borer - - - - -              | - <u>Chilo</u> <u>plejadellus</u> Zinck.        |
| Rice water weevil - - - - -             | - <u>Lissorhoptrus</u> <u>simplex</u> Say       |
| Rice weevil a.n.o. - - - - -            | - <u>Calandra</u> <u>oryza</u> L.               |
| Robber fly - - - - -                    | - <u>Saropogon</u> <u>dispar</u> Coq.           |



See

|   |  |
|---|--|
| Root-knot nematode - - - - -                  | <u>Heterodera radicumicola</u> Greef-Mueller |
| Rose aphid - - - - -                          | <u>Macrosiphum rosae</u> L.                  |
| Rose chafer a.n.o. - - - - -                  | <u>Macrodactylus subspinosus</u> Fab.        |
| Rose curculio - - - - -                       | <u>Rhynchites bicolor</u> Fab.               |
| Rose leaf-beetle - - - - -                    | <u>Nodonota puncticollis</u> Say             |
| Rose leafhopper - - - - -                     | <u>Empoa rosae</u> L.                        |
| Rose leaf-roller - - - - -                    | <u>Archips rosaceana</u> Harr.               |
| Rose midge - - - - -                          | <u>Dasyneura rhodophaga</u> Coq.             |
| Rose sawfly a.n.o. - - - - -                  | <u>Caliroa aethiops</u> Fab.                 |
| Rose scale a.n.o. - - - - -                   | <u>Aulacaspis rosae</u> Bouche               |
| Rosy apple aphid - - - - -                    | <u>Anuraphis roseus</u> Baker                |
| Rough-headed corn stalk-beetle - - - - -      | <u>Ligyrus (Euethiola) rugiceps</u> Lec.     |
| Roundheaded apple-tree borer a.n.o. - - - - - | <u>Saperda candida</u> Fab.                  |

3

|   |   |
|---|---|
| Saint Andrew's cotton-stainer - - - - - | <u>Dysdercus andreae</u> L.   |
| Salt-marsh mosquito - - - - -           | <u>Aedes sollicitans</u> Walk.                                      |
| San Jose scale a.n.o. - - - - -         | <u>Aspidictus perniciosus</u> Comst.                                |
| Satin moth - - - - -                    | <u>Stilpnotia salicis</u> L.  |
| Say's blister-beetle - - - - -          | <u>Pomphopoea savi</u> Lec.   |
| Screwworm a.n.o. - - - - -              | <u>Chrysomya macellaria</u> Fab.                                    |
| Seed-corn maggot - - - - -              | <u>Hylemyia cilicrura</u> Rond.                                     |
| Serpentine leaf-miner - - - - -         | <u>Agromyza pusilla</u> Meig.                                       |
| Sheep bot-fly - - - - -                 | <u>Oestrus ovis</u> L.  |
| Sheep scab - - - - -                    | <u>Psoroptes communis</u> Furst.                                    |
| Shot-hole borer a.n.o. - - - - -        | <u>Scolytus rugulosus</u> Ratz.                                     |
| Silver leaf mite - - - - -              | <u>Phyllocoptes cornutus</u> Banks                                  |
| Silver-maple leaf mite - - - - -        | <u>Phyllocoptes quadripes</u> Shim.                                 |
| Six-spotted leafhopper a.n.o. - - - - - | <u>Cicadula 6-notata</u> Fau.                                       |
| Small body hen louse - - - - -          | <u>Menopon pallidum</u> Nitzsch                                     |
| Small red-horned borer - - - - -        | <u>Ptilinus ruficornis</u> Say                                      |
| Small willow flea-beetle - - - - -      | <u>Chalcoides helixines</u> L.                                      |
| Smartweed borer - - - - -               | <u>Pyrausta ainsliei</u> Heinr.                                     |
| Snail (a) - - - - -                     | <u>Helix aspersa</u> Muller   |
| Snowy tree-cricket a.n.o. - - - - -     | <u>Oecanthus niveus</u> DeG.  |
| Sorghum webworm - - - - -               | <u>Celama sorghiiella</u> Riley                                     |
| Southern beet webworm - - - - -         | <u>Pachyzancla binunctalis</u> Fab.                                 |
| Southern corn leaf-beetle - - - - -     | <u>Myochrous denticollis</u> Say                                    |
| Southern green plant-bug - - - - -      | <u>Nezara viridula</u> L.   |
| Southern tobacco hornworm - - - - -     | <u>Protoparce sexta</u> Joh.  |
| Sowbugs - - - - -                       | <u>Armadillidium vulgare</u> Latr.<br><u>Porcellio scaber</u> Latr. |
| Spanworm - - - - -                      | <u>Ennomos subsignarius</u> Huebn.                                  |
| Spear mark - - - - -                    | <u>Eulypa hastata</u> L.  |
| Spinach leaf-miner - - - - -            | <u>Pegomya hyoscyami</u> Panz.                                      |
| Spindleworm - - - - -                   | <u>Achatodes zeae</u> L.  |
| Spiny elm caterpillar - - - - -         | <u>Eu Vanessa antioxa</u> L.  |
| Spiny rose gall - - - - -               | <u>Rhodites bicolor</u> Harr.                                       |
| Spirea aphid - - - - -                  | <u>Aphis spiraeella</u> Schout.                                     |
| Spittle insects - - - - -               | <u>Cercopidae</u>   |
| Spotted beetworm - - - - -              | <u>Hymenia perspectalis</u> Hbn.                                    |

See

|  |   |
|--|---|
| Spotted cutworm - - - - -                | - <u>Agrotis c-nigrum</u> L.              |
| Spotted-fever tick - - - - -             | - <u>Dermacentor venustus</u> Banks       |
| Spring cankerworm a.n.o. - - - - -       | - <u>Paleacrita vernalis</u> Peck         |
| Spruce budworm - - - - -                 | - <u>Harmoloba fumiferana</u> Clem.       |
| Spruce cone-worm - - - - -               | - <u>Dioryctria reniculella</u> D. & S.   |
| Spruce gall aphid - - - - -              | - <u>Chermes abietis</u> L.               |
| Squash bug a.n.o. - - - - -              | - <u>Anasa tristis</u> DeG.               |
| Squash-vine borer - - - - -              | - <u>Melittia satyriniformis</u> Huebn.   |
| Stable fly a.n.o. - - - - -              | - <u>Stomoxys calcitrans</u> L.           |
| Stalk borer a.n.o. - - - - -             | - <u>Papaipema nitela</u> Guen.           |
| Sticktight flea - - - - -                | - <u>Echidnophaga gallinacea</u> West.    |
| Stink-bugs - - - - -                     | - Pentatomidae                            |
| Strawberry crown-borer a.n.o. - - - - -  | - <u>Tyloderma fragariae</u> Riley        |
| Strawberry flea-beetle - - - - -         | - <u>Haltica ignita</u> Ill.              |
| Strawberry leaf-beetle - - - - -         | - <u>Paria canella</u> Fab.               |
| Strawberry leaf-roller a.n.o. - - - - -  | - <u>Ancylis comptana</u> Froehl.         |
| Strawberry-root weevil - - - - -         | - <u>Brachyrhinus ovatus</u> L.           |
| Strawberry sawfly - - - - -              | - <u>Empria maculata</u> Norton           |
| Strawberry weevil a.n.o. - - - - -       | - <u>Anthonomus signatus</u> Say          |
| Straw-itch mite - - - - -                | - <u>Pediculoides ventricosus</u> Newp.   |
| Striped cucumber-beetle a.n.o. - - - - - | - <u>Diabrotica vittata</u> Fab.          |
| Striped flea-beetle a.n.o. - - - - -     | - <u>Phyllotreta vittata</u> Fab.         |
| Striped tree-cricket - - - - -           | - <u>Oecanthus nigricornis</u> Walk.      |
| Sucking goat louse - - - - -             | - <u>Linognathus stenopsis</u> Burm.      |
| Sugar-beet root-maggot - - - - -         | - <u>Tetanops aldrichi</u> Hendel         |
| Sugar-beet webworm - - - - -             | - <u>Loxostege sticticalis</u> L.         |
| Sugar-cane beetle a.n.o. - - - - -       | - <u>Ligyra (Euetheola) rugiceps</u> Lec. |
| Sugar-cane borer a.n.o. - - - - -        | - <u>Diatraea saccharalis</u> Fab.        |
| Sumac psyllid - - - - -                  | - <u>Calophya nigripennis</u> Riley       |
| Sunflower peacock fly - - - - -          | - <u>Straussia longipennis</u> Wied.      |
| Sweet-potato weevil a.n.o. - - - - -     | - <u>Cylas formicarius</u> L.             |

T

|  |  |
|--|--|
| Tarnished plant-bug a.n.o. - - - - -     | - <u>Lygus pratensis</u> L.                    |
| Tent caterpillar a.n.o. - - - - -        | - <u>Malacosoma americana</u> Fab.             |
| Termites - - - - -                       | - <u>Reticulitermes flavipes</u> Kol.          |
| Three-lined fig borer - - - - -          | - <u>Ptychodes vittata</u> Fab.                |
| Throat bot-fly - - - - -                 | - <u>Gastrophilus nasalis</u> L.               |
| Tiger swallowtail - - - - -              | - <u>Papilio glaucus</u> var. <u>turnus</u> L. |
| Tiny red ant - - - - -                   | - <u>Monomorium pharaonis</u> L.               |
| Tobacco flea-beetle a.n.o. - - - - -     | - <u>Epitrix parvula</u> Fab.                  |
| Tobacco hornworm - - - - -               | - <u>Protoparce sexta</u> Joh.                 |
| Tobacco suckfly - - - - -                | - <u>Dicyphus minimus</u> Uhler                |
| Tobacco thrips - - - - -                 | - <u>Frankliniella fusca</u> Hinds             |
| Tropical fowl mite - - - - -             | - <u>Liponyssus bursa</u> Berlese              |
| Tulip aphid - - - - -                    | - <u>Anuraphis tulipae</u> Boyer               |
| Tulip scale - - - - -                    | - <u>Toumeyella liriodendri</u> Gmel.          |
| Tulip spot gall - - - - -                | - <u>Thecodiplosis liriodendri</u> O. S.       |
| Turnip aphid - - - - -                   | - <u>Rhopalosiphum pseudobrassicae</u> Davis   |
| Twelve-spotted cucumber-beetle - - - - - | - <u>Diabrotica duodecimpunctata</u> I.        |
| Twig girdler - - - - -                   | - <u>Oncideres cingulata</u> Say               |



See

|   |                                    |
|---|------------------------------------|
| Two-lined chestnut borer a.n.o. - - - - - | - <u>Agrilus bilineatus</u> Weber  |
| Two-striped grasshopper - - - - -         | - <u>Melanoplus bivittatus</u> Say |
| Two-striped sweet-potato beetle - - - - - | - <u>Cassida bivittata</u> Say     |

V

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Vagabond gall-louse - - - - -     | - <u>Pemphigus vagabundus</u> Walsh  |
| Variegated cutworm - - - - -      | - <u>Lycophotia margaritosa</u> Haw. |
| Velvet-bean caterpillar - - - - - | - <u>Anticarsia gemmatilis</u> Hbn.  |

W

|  |  |
|--|--|
| Walnut datana - - - - -                    | - <u>Datana integerrima</u> G. & R.      |
| Water-lily aphid - - - - -                 | - <u>Rhopalosiphum nymphaeae</u> L.      |
| Western army-cutworm - - - - -             | - <u>Chorizagrotis auxiliaris</u> Grote  |
| Western flea-beetle - - - - -              | - <u>Phyllotreta pusilla</u> Horn        |
| Western-pine beetle a.n.o. - - - - -       | - <u>Dendroctonus brevicornis</u> Lec.   |
| Western potato flea-beetle - - - - -       | - <u>Epitrix subcrinita</u> Lec.         |
| Western wheat sawfly - - - - -             | - <u>Cephus cinctus</u> Nort.            |
| Wheat-head armyworm a.n.o. - - - - -       | - <u>Heliothela albolinea</u> Hbn.       |
| Wheat jointworm - - - - -                  | - <u>Harmolita tritici</u> Fitch         |
| Wheat sawfly borer - - - - -               | - <u>Cephus pygmaeus</u> L.              |
| Wheat-sheath gall jointworm - - - - -      | - <u>Harmolita vaginicola</u> Doane      |
| Wheat strawworm - - - - -                  | - <u>Harmolita grandis</u> Riley         |
| Wheel bug - - - - -                        | - <u>Arilus cristatus</u> L.             |
| White ant - - - - -                        | - <u>Reticulitermes flavipes</u> Kol.    |
| White-blotch oak leaf-miner - - - - -      | - <u>Lithocolletes hamadryella</u> Clem. |
| Whiteflies - - - - -                       | - <u>Aleurodidae</u>                     |
| White-lined sphinx - - - - -               | - <u>Deilephila lineata</u> Fab.         |
| White-marked tussock moth a.n.o. - - - - - | - <u>Hemerocampa leucostigma</u> S. & A. |
| White-pine aphid - - - - -                 | - <u>Lachnus strobi</u> Fitch            |
| White-pine weevil - - - - -                | - <u>Pissodes strobi</u> Peck            |
| Willow curculio - - - - -                  | - <u>Cryptorhynchus lapathi</u> L.       |
| Wingless May-beetle - - - - -              | - <u>Phyllophaga</u> sp.                 |
| Wing louse - - - - -                       | - <u>Lipeurus variabilis</u> Nitzsch     |
| Winter tick - - - - -                      | - <u>Dermacentor albipictus</u> Pack.    |
| Wireworms - - - - -                        | - <u>Elateridae</u>                      |
| Wood leopard moth - - - - -                | - <u>Zeuzera pyrina</u> Fab.             |
| Woolly apple aphid a.n.o. - - - - -        | - <u>Eriosoma lanigerum</u> Hausm.       |
| Woolly beech aphid - - - - -               | - <u>Phylloxera fagi</u> L.              |
| Woolly elm aphid - - - - -                 | - <u>Eriosoma americanum</u> Riley       |
| Woolly maple-leaf scale - - - - -          | - <u>Phenacoccus acericola</u> King      |
| W-marked cutworm - - - - -                 | - <u>Noctua clandestina</u> Harr.        |

Y

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Yellow-bear caterpillar - - - - - | - <u>Diacrisia virginica</u> Fab.    |
| Yellow-fever mosquito - - - - -   | - <u>Aedes aegypti</u> L.            |
| Yellow-striped armyworm - - - - - | - <u>Prodenia ornithogalli</u> Guen. |
| Yellow sugar-cane aphid - - - - - | - <u>Sipha flava</u> Forbes          |

Z

|                                    |                               |
|------------------------------------|-------------------------------|
| Zebra caterpillar a.n.o. - - - - - | - <u>Mamestra picta</u> Harr. |
|------------------------------------|-------------------------------|







